

I. AMENDMENT

In the Specification:

Please replace paragraph on page 16, line 25 to page 17, line 10 with the following amended paragraph:

FIG. 5 illustrates an aircraft-based material dispersion system **506** having an aerial dispersion system installed within a host aircraft **500** according to one embodiment of the disclosed systems and methods. Host aircraft **500** may be any passenger, cargo or military aircraft having a baggage or cargo hold (or, as will be described further herein, having a passenger compartment) suitable for containing components of the disclosed system, for example, a wide-body aircraft such as 747, 767, 777, MD-11, **C-5**, **C-141**, *etc.* In **FIG. 5**, host aircraft **500** is shown with a section **502** cut out of fuselage **504** so that individual aerial dispersant holding tanks **100** are visible as loaded and operationally assembled together within the baggage or cargo hold of host aircraft **500** to form an aerial dispersion system, *e.g.*, in a manner as previously described. Also shown is dispersal equipment container **301** that is positioned adjacent pseudo cargo door **308** and coupled to aerial spraying boom **310** which extends outwardly from door **308** for purposes of aerially dispersing materials contained in tanks **100**. As previously described, pseudo cargo door **308** may be installed in place of a conventional cargo door within a pre-existing cargo opening in the fuselage of the aircraft, *e.g.*, the same cargo opening through which holding tanks **100** and equipment container **301** may be loaded and unloaded from the aircraft. **FIG. 5** also shows passenger doors **309** of host aircraft **500**.